



NEW FRONTIERS MISSION 2
Phase A Concept Study
Kickoff Meeting

Welcome and Congratulations!

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New Frontiers Mission 2

Phase A Overview

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- Per the AO as amended, selected teams will conduct 7-month Phase A Concept Studies, funded up to \$1.2M (real year dollars).
- At the end of the Concept Studies, NASA will conduct detailed reviews to evaluate the concept studies.
- As a result of this evaluation, one mission investigation may be selected for implementation leading to flight.



New Frontiers Mission 2 Management and Constraints

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- Purpose of this meeting is to provide final instructions, including clarifications for the 7-month Phase A Concept Study.
- Phase A Study deliverables:
 - **Concept Study Report** providing sufficient implementation detail and planning to allow NASA to judge probability of mission success; and
 - **Priced Proposal** adequate to allow immediate contract negotiation and implementation.



New Frontiers Mission 2 Procurement

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- Proposals must be for complete mission cycle (Phase A-Phase E).
- NASA cost cap is \$700M (FY 2003 dollars) **or** a growth of 20% from the proposal.

- **Two-Phase, One-Step Procurement**

- **Phase I: Selection**

Solicit science proposals with sufficient implementation information to evaluate risk, expected total cost to NASA, and commitment to other programmatic goals.

NASA may select up to three proposals and award contracts for concept studies.



New Frontiers Mission 2 Procurement (concluded)

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- Phase II: Concept Study

7-month Phase A Concept Study funded up to \$1.2M (RY \$).

Detailed NASA reviews to evaluate the implementing details of the selected investigations, including any modifications of the scientific objectives, the implementation including all technical and management factors, and details of the E/PO program.

NASA plans to select one mission investigation for implementation leading to flight.



Program Management Constraints

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- The AO is still valid during the Phase II Concept Study. Additionally, the ***Guidelines and Criteria for the Phase A Concept Study*** apply during the Concept Study.
- Concept Study cost must be included in total mission cost cap.
- Proposed costs for Participating Scientists and/or Data Analysis Programs will be counted against the total mission cost cap.
- Options for extended missions (Phase F) will not be counted against the total mission cost cap.



Program Management Constraints (concluded)

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- Projects should be aware that no cost growth is allowed after Downselection. Projects that experience cost growth are subject to cancellation.
- Following Downselection, NASA will require a Confirmation Review at the conclusion of Phase B, and continued progress toward launch within defined launch window(s) and within cost during Phase C/D.



Program Management

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- Program Management is the responsibility of the Program Office at Marshall Space Flight Center
- Detailed responsibilities are being worked, but will be similar to those of the Program Office that was housed at JPL
- Little effect on this Phase A competition